

1. the graduate

Name Ambrose Osbiston Andrews
Student number 4080622

2. the award

Name of award
Bachelor of Science

Detail

The Bachelor of Science is an AQF level 7 Bachelor Degree consisting of 144 units, taught in English and normally takes three years of full-time study or part-time equivalent. It provides an understanding of the chosen field(s) within a number of main science disciplines, as well as training in skills of learning and communication. The program is the first stage towards gaining a professional qualification in any area of science. Many graduates gain further training on the job or study towards a higher degree in a specialised area. Students are required to complete at least one science major and one science minor or two majors as part of their program. The attention of international students is drawn, in particular, to the courses that may be included in Essential University English within the study program. Admission requirements are normally based on secondary/tertiary education academic results.

Features

The Bachelor of Science program allows candidates to undertake up to 48 units of non-science courses.

Pathway to further study

Graduates may progress to an AQF Level 8 Bachelor Honours Degree, Graduate Certificate or Graduate Diploma, subject to specific admission requirements.

3. awarding institution

The Australian National University is a research intensive education institute established by an Act of the Australian Parliament on 1 August 1946 and is listed as an Australian University on the Tertiary Education Quality and Standard Agency's National Register of Higher Education Providers. The University's Commonwealth Register of Institutions and Courses for Overseas Students number is 00120C.

For more information about The Australian National University visit www.anu.edu.au

The Australian Higher Education Graduation Statement is provided by Australian higher education institutions to graduating students on completion of the requirements for a particular higher education award. It provides a description of the nature, level, context and status of studies that were pursued by the individual named. Its purpose is to assist in both national and international recognition of Australian qualifications and to promote international mobility and professional recognition of graduates.

certification

date 13 December 2023



Scott Pearsall
**Registrar, Student
Administration
& Academic Services**



4. graduate's academic achievements

Bachelor of Science awarded 13 December 2023

Major in Geography

Minor in Computer Science

Course Code	Course Title	Units	Mark	Grade
2012	STATUS			
COMP 1730	Programming for Scientists	6		STI
ENVS 1001	Environment and Society: Geography of Sustainability	6		STI
ENVS 1003	Environment and Society Research Methods	6		STI
MATH 1003	Algebra and Calculus Methods	6		STI
2012	FIRST SEMESTER			
EMSC 1006	The Blue Planet: An Introduction to Earth System Science	6	76	D
STAT 1003	Statistical Techniques	6	55	P
2012	SECOND SEMESTER			
ENVS 2015	GIS and Spatial Analysis	6	75	D
2013	SECOND SEMESTER			
PHIL 1007	Philosophy, Society, Humanity	6	75	D
POLS 2094	Issues in International Political Economy	6	65	CR
2014	FIRST SEMESTER			
ENVS 2020	Hydrology and Landforms for Natural Resource Management	6	68	CR
2015	FIRST SEMESTER			
ENVS 3016	Special Topic <i>Advanced Remote Sensing and GIS</i>	6	75	D
2015	SECOND SEMESTER			
ENVS 2004	Weather, Climate and Fire	6	80	HD
2016	FIRST SEMESTER			
COMP 2410	Networked Information Systems	6	91	HD
2016	SECOND SEMESTER			
ASIA 2271	The Making of South Asia	6	78	D
ENVS 3013	Climatology	6	58	P
2017	FIRST SEMESTER			
ENVS 2011	Human Ecology	6	68	CR
2017	WINTER SESSION			
ENVS 2002	Environmental Measurement, Modelling and Monitoring	0	NCN	NCN
2017	SECOND SEMESTER			
ENVS 2023	Sustainable Agricultural Systems	6	67	CR
2018	FIRST SEMESTER			
COMP 1100	Programming as Problem Solving	0	NCN	NCN
COMP 2300	Computer Organisation and Program Execution	6	80	HD



Course Code	Course Title	Units	Mark	Grade
2019	FIRST SEMESTER			
ENVS 3028	Environmental Policy	0	WD	WD
POLS 2011	Development and Change	0	WD	WD
2019	SECOND SEMESTER			
ENVS 3020	Climate Change Science & Policy	6	68	CR
2020	FIRST SEMESTER			
COMP 3310	Computer Networks	6	72	D
2020	SECOND SEMESTER			
ENVS 1008	Sustainable Development	0	WD	WD
2021	SECOND SEMESTER			
COMP 2400	Relational Databases	6	80	HD
2022	FIRST SEMESTER			
COMP 3425	Data Mining	0	WD	WD
2022	SECOND SEMESTER			
COMP 1110	Structured Programming	6	56	P
2023	FIRST SEMESTER			
EMSC 3032	Melting Polar Ice Sheets, Sea Level Variations and Climate Change	6	75	D
2023	SECOND SEMESTER			
SOCY 2030	Social Inequalities and Development	6	74	D



5. description of the Australian higher education system

Introduction

The Australian higher education system consists of self-governing public and private universities and higher education institutions that award higher education qualifications.

The Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools.

The AQF has 10 levels, each with defined criteria based on a taxonomy of learning outcomes. Higher education qualifications are placed between level 5 (the Diploma) and level 10 (the Doctoral Degree). The Bachelor Degree is at level 7. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of the knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type. The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

The main AQF qualifications awarded by higher education institutions are Bachelor Degrees, Masters Degrees and Doctoral Degrees. There are also three qualifications at the sub-degree level: the Diploma, the Advanced Diploma and the Associate Degree. At the graduate level but below the Masters Degree are the Graduate Certificate and Graduate Diploma. The Undergraduate Certificate, which was added to the AQF in 2020, is a higher education qualification that is not allocated to a single AQF level, but recognises completion of a short course, equivalent to half a year's study (0.5 Equivalent Full Time Study Load) toward an existing qualification at AQF level 5, 6 or 7.

Level	Qualification Type	Summary
-	Senior Secondary Certificate of Education	Graduates with this qualification will have knowledge, skills and values for diverse pathways to further learning, work and effective participation in civic life
Level 1	Certificate I	Graduates at this level will have knowledge and skills for initial work, community involvement and/or further learning
Level 2	Certificate II	Graduates at this level will have knowledge and skills for work in a defined context and/or further learning
Level 3	Certificate III	Graduates at this level will have theoretical and practical knowledge and skills for work and/or further learning
Level 4	Certificate IV	Graduates at this level will have theoretical and practical knowledge and skills for specialised and/or skilled work and/or further learning
Level 5	Diploma	Graduates at this level will have specialised knowledge and skills for skilled and/or paraprofessional work and/or further learning
Level 6	Advanced Diploma Associate Degree	Graduates at this level will have broad knowledge and skills for paraprofessional/highly skilled work and/or further learning
Level 7	Bachelor Degree	Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning
Level 5-7	Undergraduate Certificate	Graduates with this qualification will have foundational knowledge and skills for further study, professional upskilling, work and participation in lifelong learning
Level 8	Bachelor Honours Degree Graduate Certificate Graduate Diploma	Graduates at this level will have advanced knowledge and skills for professional highly skilled work and/or further learning
Level 9	Masters Degree	Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning
Level 10	Doctoral Degree	Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice

*As at the publication of this document, the Undergraduate Certificate qualification type must not be conferred after 30 June 2025. Undergraduate Certificates that have been conferred prior to this date will continue to be recognised as valid AQF qualifications.



Admission

Requirements for admission to particular awards are set by higher education institutions and provide a range of routes for entry and only admit those students considered to have potential to complete an award successfully. Admission of school leavers to undergraduate awards is typically on the basis of the level of achievement in Year 12 secondary education, although some institutions and awards also use interviews, portfolios or demonstrated interest or aptitude. Most institutions also provide alternative entry provisions via bridging or foundation programs for mature age students or other special provisions, such as recognition of prior learning from previous study. Admission to post-graduate awards is generally based on the level of achievement in previous higher education studies and in most cases, admission to PhD awards is based on high achievement in a research Masters Degree or in a Bachelor Degree with first class honours or second class honours division A.

Quality

Quality assurance and stringent approval requirements for higher education institutions ensure that Australia has an international reputation for high quality education.

The Tertiary Education Quality and Standards Agency (TEQSA) was established on 30 July 2011 as a new national regulator and quality assurance agency for higher education. TEQSA is an independent body with the powers to regulate university and non-university higher education institutions and monitor quality against standards. Its purpose is to protect student interests and the reputation of Australia's higher education sector through a proportionate, risk-reflective approach to quality assurance that supports diversity, innovation and excellence.

From 29 January 2012 TEQSA assumed responsibility for registering and re-registering providers and accrediting and re-accrediting awards for higher education providers that do not have authority to accredit their own awards. At the time of registration, re-registration, accreditation and/or re-accreditation, TEQSA evaluates the performance of a higher education provider against the Higher Education Standards Framework. The framework specifies the minimum standards that all higher education providers must meet and continue to meet in order to remain registered.

TEQSA also monitors provider risks and performance and identifies good practice to support continuous improvement within the sector, guide sectoral quality enhancement and inform policy and research.

The Higher Education Standards Panel, which is independent from TEQSA, is responsible for advising the Minister for Education and TEQSA on the development, monitoring and interpretation of the Higher Education Standards Framework.

All higher education institutions receiving Australian Government financial support must meet quality and accountability requirements that are set out in the Higher Education Support Act 2003. The Australian Government also uses a range of tools to measure and monitor the quality of outcomes, while the interests of international students are protected by the Education Services for Overseas Students Act 2000 and the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS), providing tuition assurance and ensuring that institutions listed on CRICOS meet defined minimum standards.



The Australian National University Australian Higher Education Graduation Statement

Explanation of grades and codes

Key to grades and codes					
HD	High Distinction	80 - 100	H1	First Class Honours	80 - 100
D	Distinction	70 - 79	H2A	Second Class Honours Division A	70 - 79
CR	Credit	60 - 69	H2B	Second Class Honours Division B	60 - 69
P	Pass	50 - 59	H3	Third Class Honours	50 - 59
CRS	Course Requirements Satisfied	ungraded pass	IP	In progress (continuing course)	
PS	Pass at supplementary exam	50	KU	Continuing course	
HLP	Higher Level Performance	higher ungraded pass	EE	Enrolled elsewhere	
N	Fail	0 - 49	EXE	Exemption external (no unit value)	
NCN	Not complete/Fail	not graded	EXI	Exemption internal (no unit value)	
WD	Withdrawn without failure	not graded	RC	Research continuing	
WN	Withdrawn with failure	not graded	STE	Status external (external credit)*	
WL	Withdrawn late without failure	not graded	STI	Status internal (internal credit)*	

This explanation is current at 1 July 2011. Subsequent amendments and further details of assessment notations are available at drss.anu.edu.au

*Results for internal status credited to the specified award are not recorded on this Graduation Statement. Please see the graduate's Transcript of Academic Record for these results. Results for any external status credited cannot be provided by ANU.

Unit values and equivalencies

The majority of courses offered at ANU are valued at 6 units. The normal maximum load in a semester or half-year is 24 units (normally 4 courses). Undertaking 18-24 units per semester is considered a full-time study load.

ANU considers 30 European Credit Transfer System (ECTS) credits as equivalent to 24 ANU units.

Course information

Details of the syllabus for individual courses listed on this Australian Higher Education Graduation Statement may be found in the relevant University Handbook for the year indicated. Alternatively, course information may be obtained from the relevant academic area.

Semesters and sessions

Coursework programs		Research programs	
First Semester	February - June	First Semester	1 January - 30 June
Second Semester	July - November	Second Semester	1 July - 31 December
Summer Session	January - March	Quarter 1	January - March
Autumn Session	April - June	Quarter 2	April - June
Winter Session	July - September	Quarter 3	July - September
Spring Session	October - December	Quarter 4	October - December

Transcript of Academic Record

The information contained within this Australian Higher Education Graduation Statement pertains to the specified award only. For a complete history of academic results achieved at ANU, or results for courses granted as internal status, please see the graduate's Transcript of Academic Record.

Glossary of terms

Terminology	Explanation
Award	A certificate, diploma, degree, associate degree, graduate certificate or graduate diploma, conferred by the University to a person upon the completion of an academic program leading to an award, for example a Bachelor of Arts. The award is represented by a testamur and is presented to a graduate upon graduating.
Course	A discrete entity of study in a subject, normally of one semester or session in duration, identified by an alpha-numeric code. For example, 'ENGN3224 Energy Systems Engineering' is one course. Three or four courses per semester or half-year normally constitutes full-time enrolment.
Grade	A classification of achievement based on the final mark. For example a grade of High Distinction (HD) indicates a final mark between 80 and 100.
Mark	A number indicating a student's performance in an assessment activity or a course. Raw marks, which may be scaled, become final marks after approval by the Delegated Authority. Marks range from 0 to 100.
Program	A structured sequence of study, undertaken in one or more Colleges of the University, normally leading to an award. Programs are controlled by one or, in the case of combined programs, two academic authorities.
Status	Students admitted to a program at the University, or transferring between programs at the University, may be granted status (credit) in the new program on the basis of previous tertiary studies.
Unit	This is an indicator of the value of a course within the total program. Most courses are valued at 6 units.

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